

Review Pg. 182#8

U3L6 – 2.8 Classifying Shapes on a Coordinate Plane

Students will use coordinates of points, slope and the Pythagorean Theorem to solve problems.

Examples

1. Points J and K lie on the same line, which has a slope of 2. J has coordinates (2,3) and lies to the left of K. The length of segment JK is 15 units. What are the coordinates of K, correct to two decimal places?

Ex.Pg. 182 – 184 #2ab,12,14,17a (answer should be 7.5,21)

Challenge question: 17b(answers should be (7.8138,-12.6276) and (-3.8138,10.627).